

Software Reuse Portal Software Reuse.nasa.gov

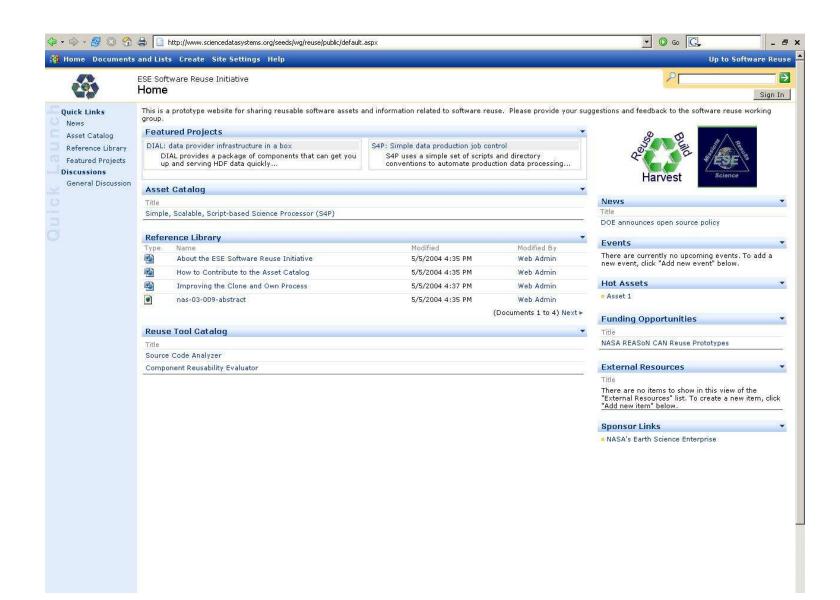
Ryan Gerard

- Source of Software Reuse Resources targeted to the Earth Science community.
- Source for upcoming News and Events.
- Raise awareness of software reuse practices and theory.
- Platform to exchange and share resources with each other.



- Initial prototype of the portal created using Microsoft Sharepoint
- Live version using Plone
 - Open Source Content Management System
 - Update content using a simple browser interface
- NASA Affinity "skin" added
- First website to use the new DSWG server (kathy.gsfc.nasa.gov)

Portal Prototype

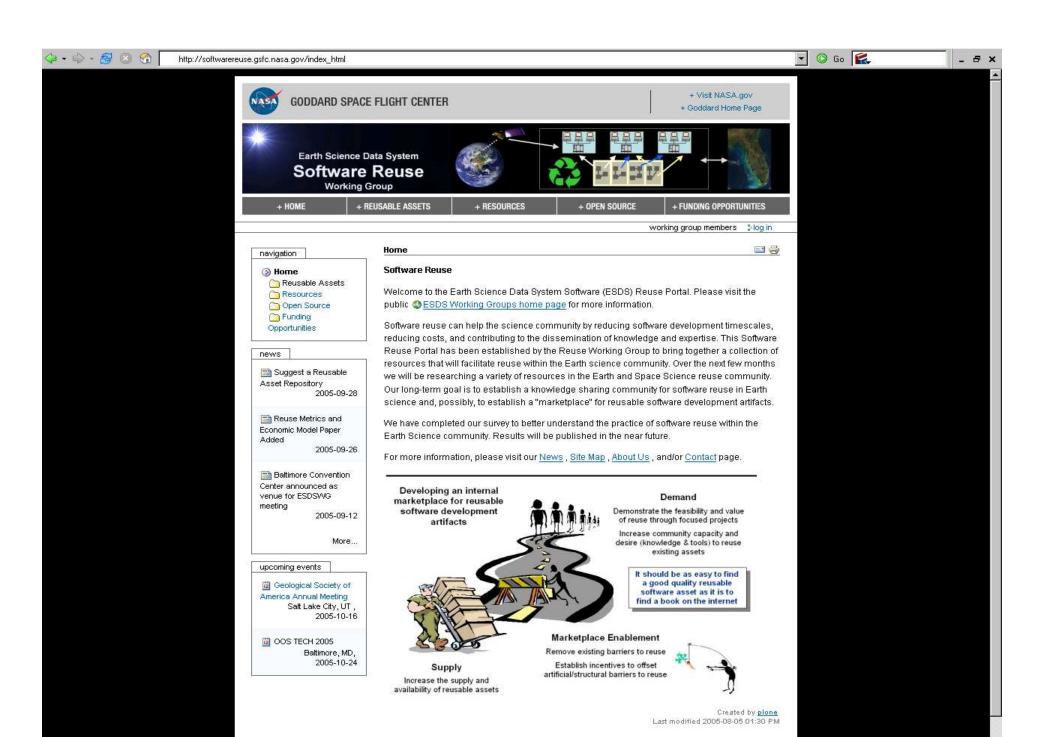




- Content Management System Plone
- Operating System Linux
- Database Gadfly/MySQL
- Web Server Apache
- Template NASA Affinity Template



- Home/News
- Reusable Assets
- Resources
 - Events
 - Featured Projects
 - Library
 - Technology Hotspots
 - External Resources
- Open Source
 - NASA
 - Non-NASA
- Funding
 - NASA
 - Non-NASA





working group members 📑 log in



Suggest a Reusable Asset Repository 2005-09-28

Reuse Metrics and Economic Model Paper Added

news

2005-09-26

Baltimore Convention Center announced as venue for ESDSWG meeting

2005-09-12

More...

Reusable Assets

- Up one level

This section will become a resource for publishing and locating reusable software development artifacts for the earth and space science communities. We intend to provide access to reusable software components including access to related source code, algorithms, and executables to assist software development.

Suggest a Link

Computational Infrastructure for Geodynamics

CIG is working under a Cooperative Agreement with the National Science Foundation to develop, support, and disseminate open source software for the computational geophysics and related fields.

Earth Observing System Clearinghouse

The ECHO Client Reuse page is a resource to enable the sharing of source code between ECHO client developers.

Global Change Master Directory

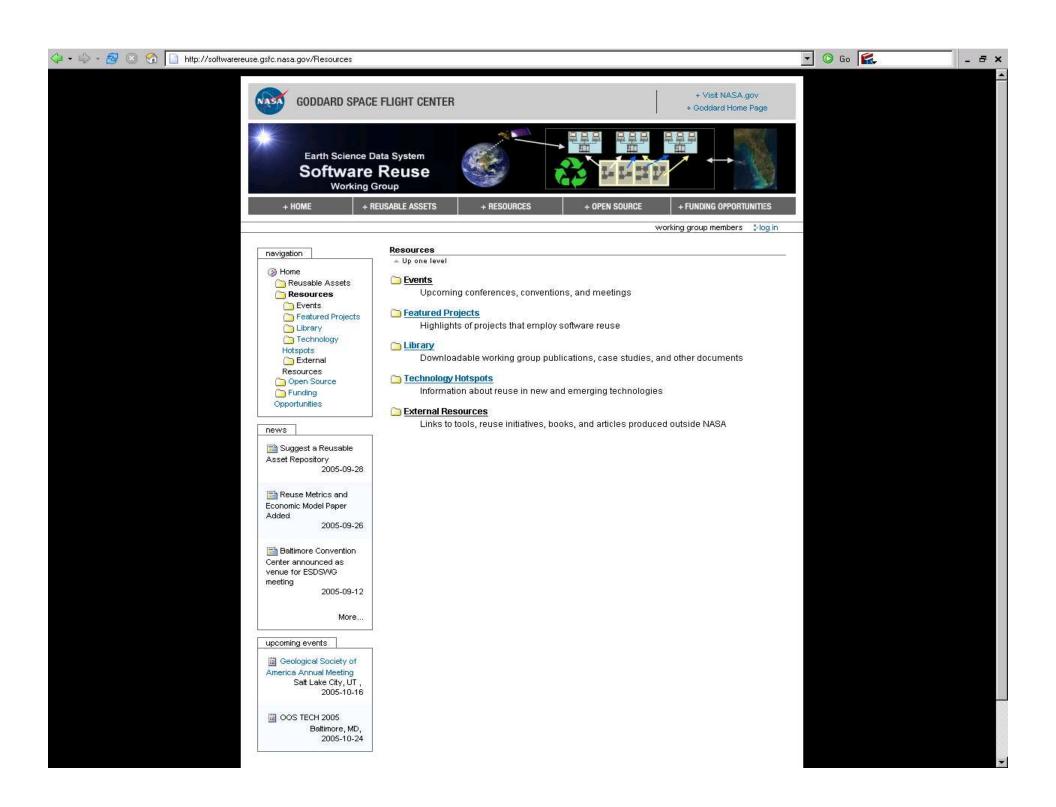
NASA's GCMD enables users to locate and obtain access to Earth Science data sets and services relevant to the global change and Earth science research.

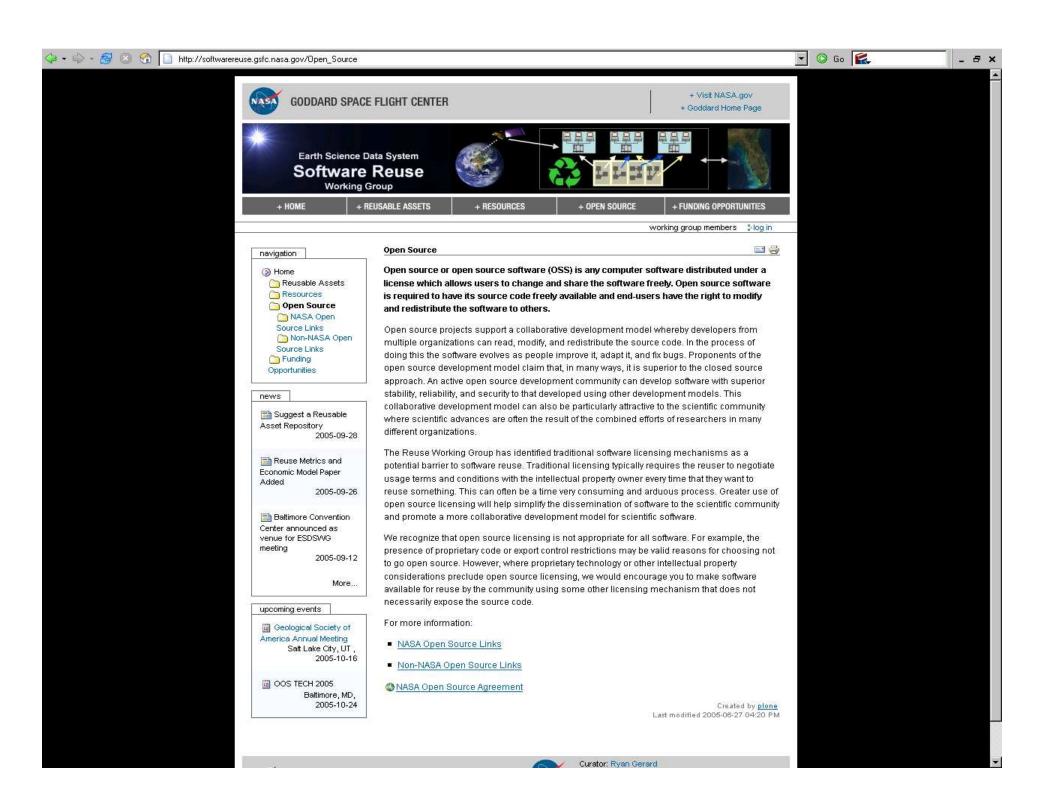
upcoming events

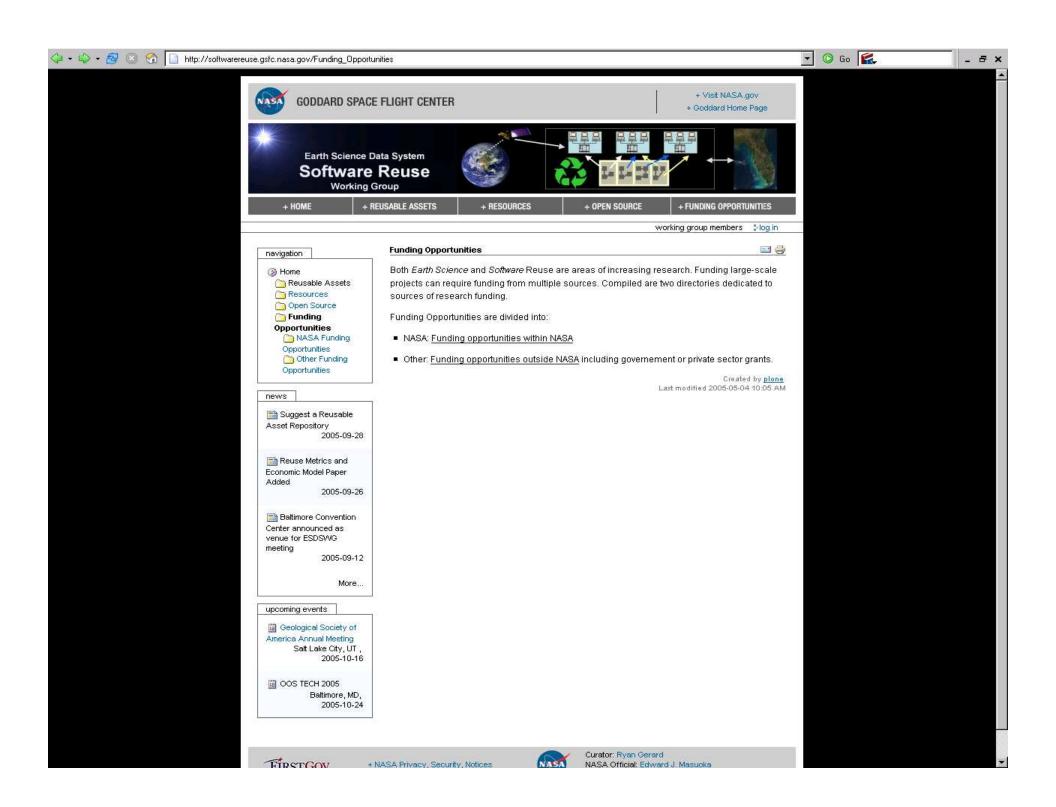
@ Geological Society of America Annual Meeting Salt Lake City, UT, 2005-10-16

OOS TECH 2005

Battimore, MD, 2005-10-24







Zope Interface





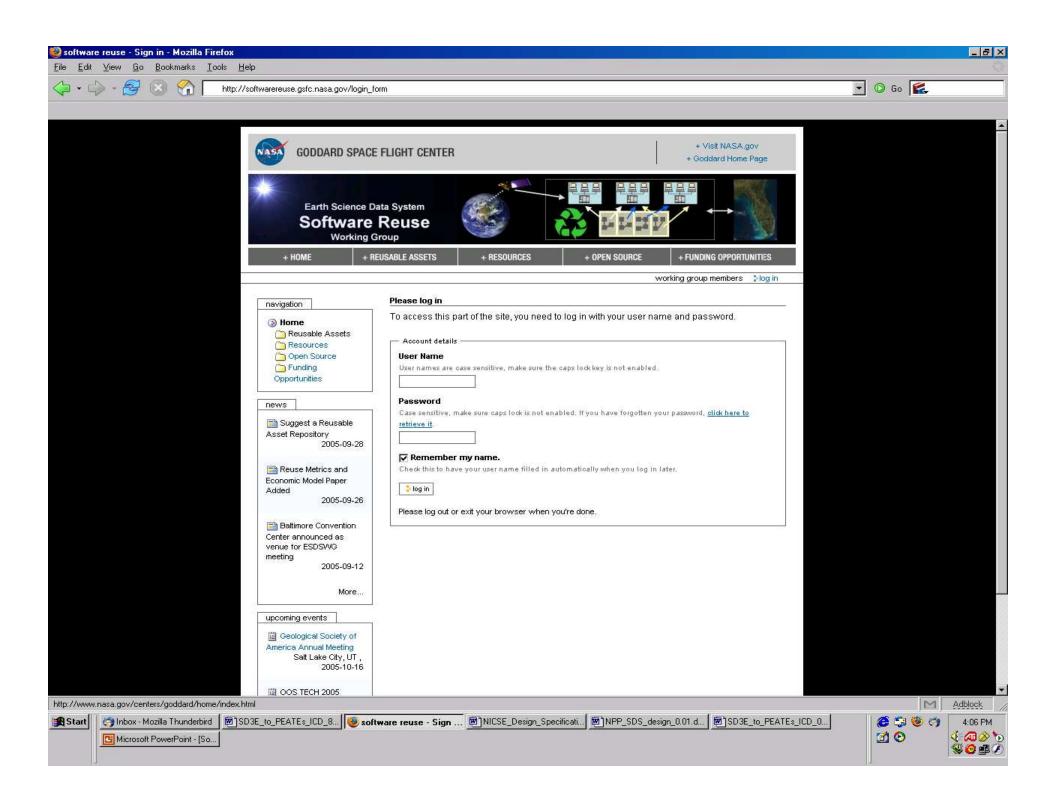
- Multiple Accounts with each user maintaining a portion of the website.
- Administrators can approve a submitted change before updates are made live.
- Each page of the website can have a different set of permissions and a different set of users allowed to submit changes.

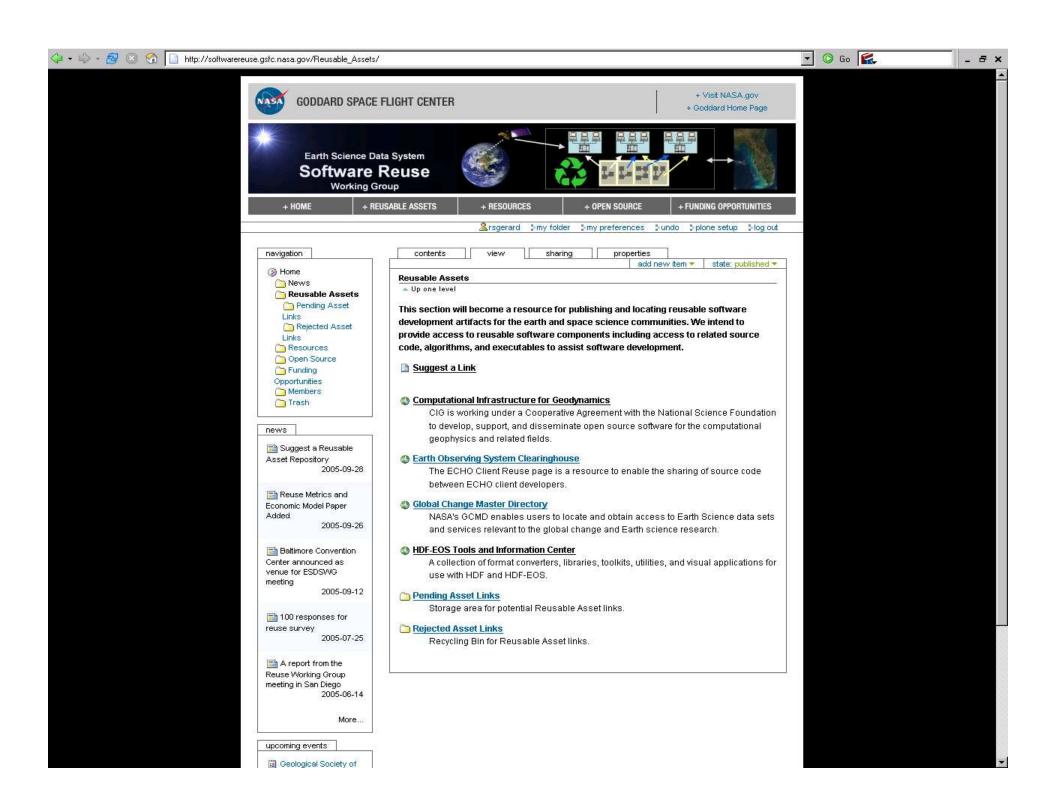
Working Group Goals

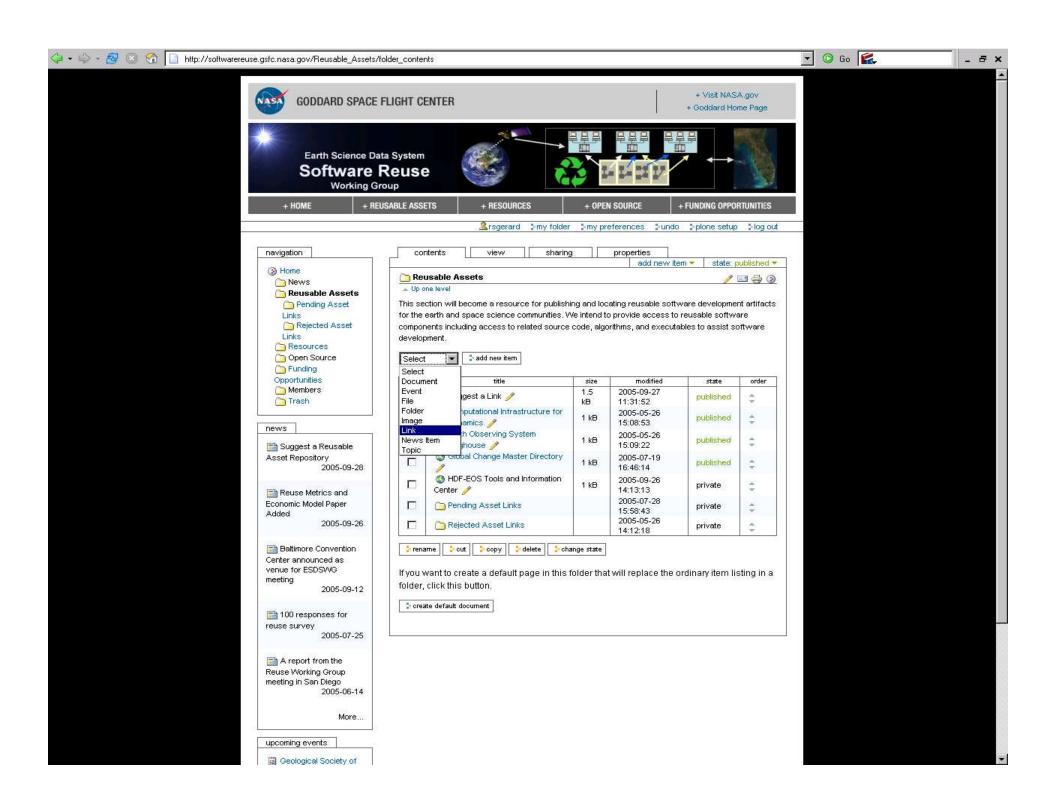
- Members of the Working Group can volunteer to maintain/contribute content to the portal
- Fill the portal with high-quality resources

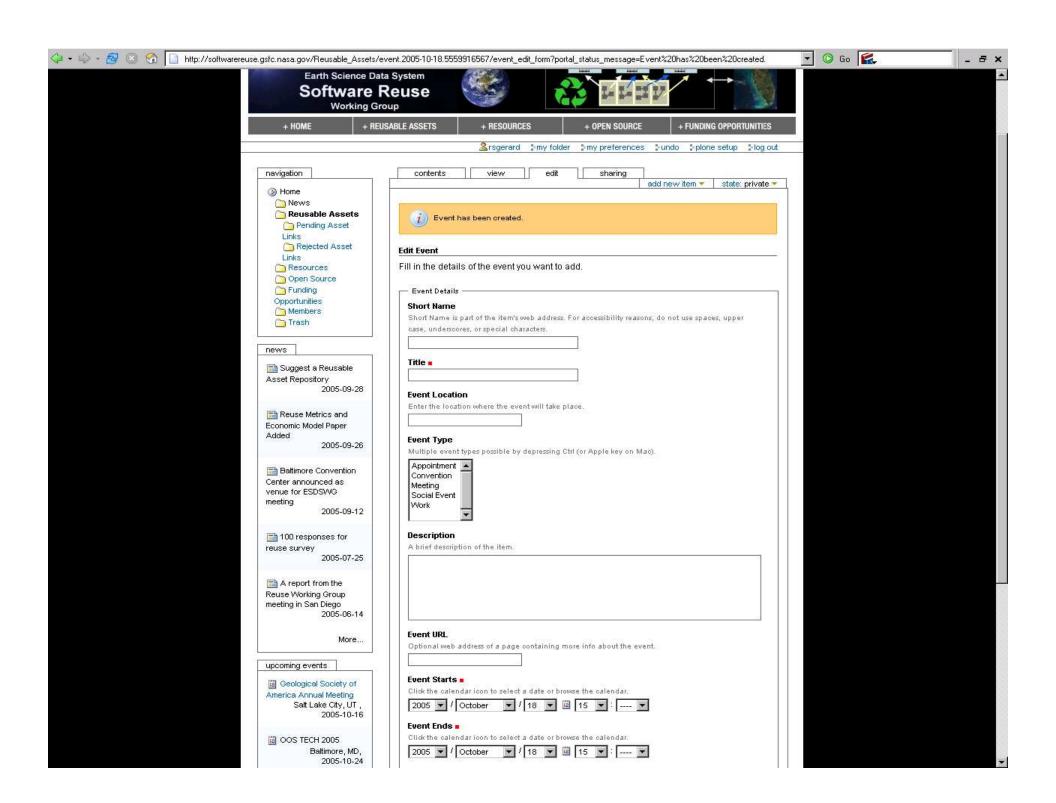


- Login with your account
- Select appropriate folder
- Add appropriate object (link, conference, meeting) under the "Contents" tab
- Fill in necessary fields
- Click "Save"
- Review Process





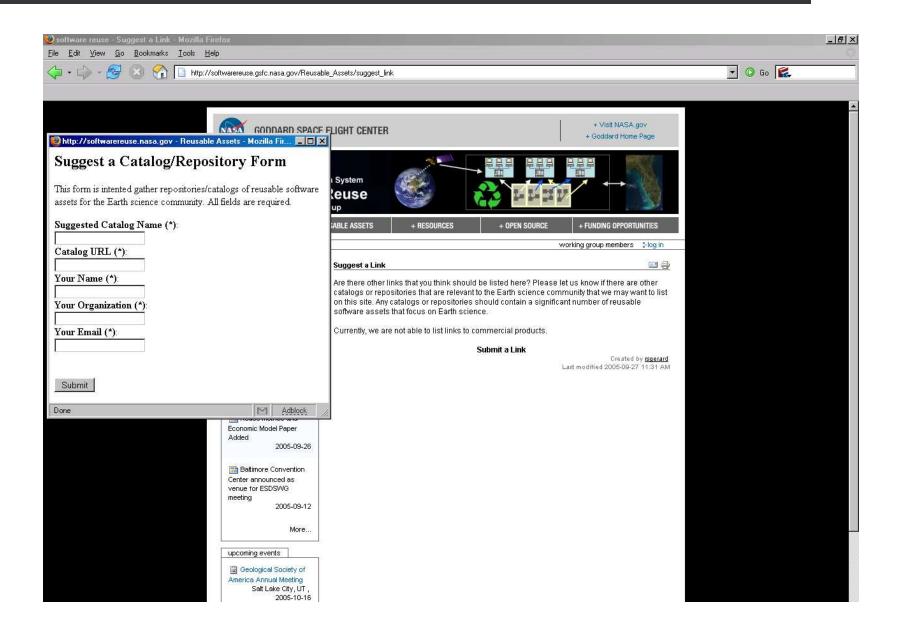






- Establish Working Group accounts
 - What is considered good content to add to the site?
- Continue to update upcoming news, events and publications
- Monitor site statistics closely
 - What are people searching for?
- Begin accepting reusable asset repositories from the Earth Science community.

Catalog Submission Prototype





- The Earth Science Data System Reuse Working Group has developed some guidelines concerning site submissions.
- Prevents the addition of resources that should not added to the site.
- Encourages only high-quality content relevant to software reuse.
- Robert Downs to present further.